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Range: from  to  Features: ☐ SNP ☐ CDD ☒ MGC ☒ HPRD ☒ STS ☒ tRNA

☐ 1: [NP\\_274441](#). Reports outer membrane pr...[gi:15677288]

[BLink](#), [Conserved Domains](#), [Links](#)

LOCUS NP\_274441 392 aa linear BCT 07-OCT-2005  
 DEFINITION outer membrane protein PorA [Neisseria meningitidis MC58].  
 ACCESSION NP\_274441  
 VERSION NP\_274441.1 GI:15677288  
 DBSOURCE REFSEQ: accession NC\_003112.2  
 KEYWORDS .  
 SOURCE  
 ORGANISM Neisseria meningitidis MC58  
 Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales;  
 Neisseriaceae; Neisseria.  
 REFERENCE  
 1 (residues 1 to 392)  
 AUTHORS Tettelin,H., Saunders,N.J., Heidelberg,J., Jeffries,A.C.,  
 Nelson,K.E., Eisen,J.A., Ketchum,K.A., Hood,D.W., Peden,J.F.,  
 Dodson,R.J., Nelson,W.C., Gwinn,M.L., DeBoy,R., Peterson,J.D.,  
 Hickey,E.K., Haft,D.H., Salzberg,S.L., White,O., Fleischmann,R.D.,  
 Dougherty,B.A., Mason,T., Ciecko,A., Parksey,D.S., Blair,E.,  
 Cittone,H., Clark,E.B., Cotton,M.D., Utterback,T.R., Khouri,H.,  
 Qin,H., Vamathevan,J., Gill,J., Scarlato,V., Massignani,V.,  
 Pizza,M., Grandi,G., Sun,L., Smith,H.O., Fraser,C.M., Moxon,E.R.,  
 Rappuoli,R. and Venter,J.C.  
 TITLE Complete genome sequence of Neisseria meningitidis serogroup B  
 strain MC58  
 JOURNAL Science 287 (5459), 1809-1815 (2000)  
 PUBMED 10710307  
 REFERENCE  
 2 (residues 1 to 392)  
 AUTHORS Tettelin,H., Saunders,N.J., Heidelberg,J., Jeffries,A.C.,  
 Nelson,K.E., Eisen,J.A., Ketchum,K.A., Hood,D.W., Ciecko,A.,  
 Peden,J.F., Dodson,R.J., Nelson,W.C., Gwinn,M.L., Peterson,J.D.,  
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 Vamathevan,J., Gill,J., Scarlato,V., Massignani,V., DeBoy,R.T.,  
 Pizza,M., Grandi,G., Sun,L., Smith,H.O., Fraser,C.M., Moxon,E.R.,  
 Rappuoli,R. and Venter,J.C.  
 TITLE Direct Submission  
 JOURNAL Submitted (18-MAY-2005) The Institute for Genomic Research, 9712  
 Medical Center Dr, Rockville, MD 20850, USA  
 REMARK Sequence update by submitter  
 REFERENCE  
 3 (residues 1 to 392)  
 AUTHORS .  
 CONSRM NCBI Genome Project  
 TITLE Direct Submission  
 JOURNAL Submitted (19-SEP-2001) National Center for Biotechnology  
 Information, NIH, Bethesda, MD 20894, USA  
 REFERENCE  
 4 (residues 1 to 392)  
 AUTHORS Tettelin,H., Saunders,N.J., Heidelberg,J., Jeffries,A.C.,  
 Nelson,K.E., Eisen,J.A., Ketchum,K.A., Hood,D.W., Ciecko,A.,  
 Peden,J.F., Dodson,R.J., Nelson,W.C., Gwinn,M.L., Peterson,J.D.,  
 Hickey,E.K., Haft,D.H., Salzberg,S.L., White,O., Fleischmann,R.D.,  
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 Clark,E.B., Cotton,M.D., Utterback,T.R., Khouri,H.M., Qin,H.,  
 Vamathevan,J., Gill,J., Scarlato,V., Massignani,V., DeBoy,R.T.,  
 Pizza,M., Grandi,G., Sun,L., Smith,H.O., Fraser,C.M., Moxon,E.R.,  
 Rappuoli,R. and Venter,J.C.  
 TITLE Direct Submission  
 JOURNAL Submitted (17-MAR-2000) The Institute for Genomic Research, 9712  
 Medical Center Dr, Rockville, MD 20850, USA

COMMENT        PROVISIONAL REFSEQ: This record has not yet been subject to final  
NCBI review. The reference sequence was derived from AAF41790.  
Method: conceptual translation.

FEATURES        Location/Qualifiers  
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                  /transl\_table=11  
                  /db\_xref="GeneID:903851"

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   181 vqfvpiqnsk saytpayytk ntnnnltlvp avvgkpgsdv yyaglnykng gfagnyafky  
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   361 saivsgawlk rntgignytq inaasvglrh kf

//

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**COMBINED REVOCATION AND POWER OF ATTORNEY  
AND STATEMENT UNDER 37 C.F.R. § 3.73(B)**

SmithKline Beecham Biologicals S.A. states that it is the assignee of the entire right, title, and interest to the patent applications/patents identified below by virtue of an assignment from the inventor(s) recorded at the specified reel and frame numbers or attached hereto:

Attorney Docket No.	Serial No.	Title	I.A. Filing Date/ 371(c) date/ filing date	Assignment Recordation
BM45304	09/673,899	Polypeptides From Moraxella (Branhamella) Catarrhalis	12/19/2000	Reel 011851, Frame 0698
BM45304-D1	10/393,545	Polypeptides From Moraxella (Branhamella) Catarrhalis	03/21/2003	Reel 013910, Frame 0707
BM45307	09/673,898	BASB013 DNA and Proteins From Neisseria Meningitidis	12/04/2000	Reel 011851, Frame 0649
BM45307-D1	10/739,956	BASB013 DNA and Proteins From Neisseria Meningitidis	12/18/2003	Reel 014839, Frame 0065
BM45308	09/673,896	BASB006 Polypeptides From Neisseria Meningitidis and Immunogenic Compositions Thereof	12/18/2000	Reel 011851, Frame 0677
BM45308-D1	10/742,345	BASB006 Polypeptides From Neisseria Meningitidis and Immunogenic Compositions Thereof	12/19/2003	Reel 014837, Frame 0969
BM45311	09/674,779	BASB019 Proteins and Genes From Moraxella Catarrhalis Antigens, Antibodies, and Uses	01/03/2001	Reel 011849, Frame 0102
BM45311-D1	10/794,784	BASB019 Proteins and Genes From Moraxella Catarrhalis Antigens, Antibodies, and Uses	03/05/2004	Copy of Assignment Attached
BM45317	09/700,335	Moraxella Catarrhalis Outer Membrane Protein-106 Polypeptide, Gene Sequence and Uses Thereof	05/25/2001	Reel 012484, Frame 0467
BM45318	09/700,336	Compounds From Moraxella Catarrhalis	07/16/2001	Reel 012064, Frame 0582
BM45319	09/700,227	BASB028 Polypeptides and Polynucleotides Encoding Therefor From Moraxella Catarrhalis	05/14/2001	Reel 014400, Frame 0627

<b>Attorney Docket No.</b>	<b>Serial No.</b>	<b>Title</b>	<b>I.A. Filing Date/ 371(c) date/ filing date</b>	<b>Assignment Recordation</b>
BM45320	09/700,228	Compounds From Moraxella Catarrhalis	07/23/2001	Reel 011894, Frame 0365
BM45321	09/700,293	BASB029 Polynucleotide(s) and Polypeptides From Neisseria Meningitidis	11/13/2000	Reel 012230, Frame 0388
BM45321-D1	09/700,293	BASB029 Polynucleotide(s) and Polypeptides From Neisseria Meningitidis	07/22/2004	Reel 012230, Frame 0388
BM45323	09/701,271	Neisseria Meningitidis Antigenic Polypeptides, Corresponding Polynucleotides and Protective Antibodies	03/11/2002	Reel 012680, Frame 0044
BM45324	09/701,711	BASB027 Proteins and Genes From Moraxella Catarrhalis, Antigens, Antibodies, and Uses	07/27/2001	Reel 011894, Frame 0363
BM45324-D1	10/896,725	BASB027 Proteins and Genes From Moraxella Catarrhalis, Antigens, Antibodies, and Uses	07/22/04	Reel 011894, Frame 0363
BM45325	09/701,896	Moraxella Catarrhalis PilQ Proteins	05/12/2000	Reel 014861, Frame 0730
BM45326	09/719,190	Moraxella Catarrhalis Polynucleotides and Polypeptides	12/08/2000	Reel 012484, Frame 0452
BM45329	09/762,878	Cloning of BASB023 Antigen From Moraxella Catarrhalis	05/14/2001	Reel 011908, Frame 0678
BM45330	09/762,926	BASB024 Outer Membrane Protein of Neisseria Meningitidis	06/11/2001	Reel 011908, Frame 0670
BM45331	09/787,084	Polynucleotides and Polypeptides BASB033 From Neisseria Meningitidis and Their Uses	07/18/01	Reel 012131, Frame 0120
BM45331-D1	10/417,885	Polynucleotides and Polypeptides BASB033 From Neisseria Meningitidis and Their Uses	04/17/03	Reel 012131, Frame 0120
BM45332	09/787,083	Moraxella Catarrhalis BASB034 Polypeptides and Uses Thereof	05/14/2001	Reel 013864, Frame 0837
BM45332-D1	10/835,136	Moraxella Catarrhalis BASB034 Polypeptides and Uses Thereof	03/10/2003	Reel 013877, Frame 0525

<b>Attorney Docket No.</b>	<b>Serial No.</b>	<b>Title</b>	<b>I.A. Filing Date/ 371(c) date/ filing date</b>	<b>Assignment Recordation</b>
BM45336	09/830,990	Neisseria Meningitidis Serogroup B BASB037 Antigens	09/04/2001	Copy of Assignment Attached
BM45339	09/857,669	Polypeptides and Polynucleotides BASB040 From Neisseria Meningitidis and Vaccine Comprising Said Polypeptides and Polynucleotides	09/21/2001	Reel 012615, Frame 0253
BM45339-D1	10/883,884	Polypeptides and Polynucleotides "BASB040" From Neisseria Meningitidis and Vaccine Comprising Said Polypeptides and Polynucleotides	04/28/2004	Copy of Assignment Attached
BM45340	09/857,716	Novel Compounds	09/06/2001	Reel 012163, Frame 0007
BM45340-D1	10/755,115	Novel Compounds	01/09/2004	Reel 014896, Frame 0920
BM45348	09/889,283	Novel Compounds	02/26/2002	Copy of Assignment Attached
BM45350	09/889,301	Neisseria Meningitidis Polypeptide BASB052	01/17/2002	Reel 012505, Frame 0460
BM45351	09/889,267	Neisseria Meningitidis Antigen	01/17/2002	Reel 012535, Frame 0166
BM45351-D1	10/833,885	Neisseria Meningitidis Antigen	04/28/2004	Reel 015277, Frame 0319
BM45352	09/889,746	Novel Compounds	12/31/2001	Reel 012409, Frame 0586
BM45352-D1	10/889,335	Novel Compounds	07/12/2004	Copy of Assignment Attached
BM45353	09/889,756	BASB055 Polynucleotide and Polypeptide From Neisseria Meningitidis, Uses Thereof	12/31/2001	Reel 012338, Frame 0519
BM45354	09/889,725	Neisseria Meningitidis Antigenic Polypeptides, Corresponding Polynucleotides and Protective Antibodies	12/31/2001	Reel 012415, Frame 0832
BM45363	09/889,973	Immunogenic Compounds	01/02/2002	Copy of Assignment Attached
BM45367	09/889,975	BASB059 Polypeptides From Neisseria Meningitidis	01/25/2000	Reel 012466, Frame 0774

Attorney Docket No.	Serial No.	Title	I.A. Filing Date/ 371(c) date/ filing date	Assignment Recordation
BM45368	09/913,101	Haemophilus Influenzae RD Outer Membrane Sequences Used As Vaccine	12/18/2002	Reel 012615, Frame 0251
BM45371	09/913,100	Neisseria Meningitidis Serogroup B Antigen	01/02/2002	Reel 012615, Frame 0240
BM45376	09/914,222	Haemophilus Antigen	12/27/2001	Reel 012398, Frame 0741
BM45378	09/914,168	Immunogenic Compounds	01/28/2002	Reel 012579, Frame 0855
BM45378-D1	10/878,939	Immunogenic Compounds	06/28/2004	Reel 015540, Frame 0376
BM45379	09/936,377	Novel Compounds	09/12/2001	Reel 012644, Frame 0219
BM45388	09/979,469	Novel Compounds From Moraxella Catarrhalis	02/20/2002	Reel 012622, Frame 0063
BM45394	10/018,706	Cloning of BASB110 Antigen From Moraxella (Branhamella) Catarrhalis	03/05/2002	Reel 012670, Frame 0026
BM45395	10/018,672	BASB111 Polypeptide and Polynucleotide from Moraxella Catarrhalis	04/18/2002	Reel 012839, Frame 0437
BM45396	10/018,561	Novel Compounds	04/05/2002	Reel 012788, Frame 0840
BM45397	10/018,598	Moraxella Catarrhalis Polypeptides	04/05/2002	Reel 012713, Frame 0891
BM45398	10/069,544	Novel Compounds	02/25/2002	Copy of Assignment Attached
BM45399	10/048,197	Moraxella Catarrhalis Antigens BASB122 and BASB124	01/23/2002	Reel 012664, Frame 0322
BM45400	10/048,195	Novel Compounds	01/23/2002	Reel 012664, Frame 0343
BM45402	10/048,196	Novel Compounds	01/23/2002	Reel 012661, Frame 0190
BM45403	10/031,677	BASB126 Polypeptide and Polynucleotide From Moraxella Catarrhalis	01/22/2002	Reel 012876, Frame 0273
BM45404	10/048,794	Novel Compounds	01/22/2002	Reel 012664, Frame 0313
BM45405	10/469,844	Moraxella Catarrhalis BASB114 Antigens and Uses Thereof	09/04/2003	Copy of Assignment Attached

<b>Attorney Docket No.</b>	<b>Serial No.</b>	<b>Title</b>	<b>I.A. Filing Date/ 371(c) date/ filing date</b>	<b>Assignment Recordation</b>
BM45406	10/048,574	Novel Compounds	01/23/2002	Reel 012664, Frame 0370
BM45407	10/048,388	BASB116 DNA and Proteins From Moraxella Catarrhalis	05/13/2002	Reel 012664, Frame 0373
BM45408	10/048,394	Novel Compounds	05/03/2002	Reel 012713, Frame 0889
BM45409	10/048,319	BASB118 Polypeptides and Polynucleotide From Moraxella Catarrhalis	06/03/2002	Reel 012713, Frame 0910
BM45410	10/048,393	BASB119 Polypeptide and Polynucleotide from Moraxella Catarrhalis	04/29/2002	Reel 012713, Frame 0867
BM45411	10/048,318	Novel Compounds	05/20/2002	Reel 012713, Frame 0887
BM45412	10/088,045	Moraxella Catarrhalis Antigen, Corresponding Gene and Uses Thereof	06/07/2002	Reel 012976, Frame 0040
BM45412-D1	10/896,520	Moraxella Catarrhalis Antigen, Corresponding Gene and Uses Thereof	07/22/2004	Copy of Assignment Attached
BM45413	10/088,125	Novel Compounds	06/06/2002	Reel 012982, Frame 0833
BM45414	10/088,046	Novel Compounds	06/07/2002	Reel 012975, Frame 0359
BM45417	10/088,697	Novel Compounds	06/12/2003	Reel 013005, Frame 0736
BM45419	10/380,817	Haemophilus Influenzae Basb202 Polypeptide, Production, Vaccine and Diagnostic Use	08/28/2003	Reel 014433, Frame 0605
BM45420	10/399,091	Novel Compounds	10/05/2001	Copy of Assignment Attached
BM45421	10/398,959	Novel Compounds	10/01/2003	Reel 014541, Frame 0343
BM45422	10/399,089	Base205 Polypeptides and Polynucleotides Therefor	08/18/2003	Reel 014392, Frame 0136
BM45423	10/399,411	Novel Compounds	10/23/2003	Reel 014618, Frame 0778
BM45424	10/399,416	BASB207 Polypeptides and Polynucleotides From Nontypeable Haemophilus Influenzae	04/17/2003	Copy of Assignment Attached



<b>Attorney Docket No.</b>	<b>Serial No.</b>	<b>Title</b>	<b>I.A. Filing Date/ 371(c) date/ filing date</b>	<b>Assignment Recordation</b>
BM45425	10/399,389	BASB208 Nucleotide and Polypeptide From Haemophilus Influenza	10/05/2001	Copy of Assignment Attached
BM45426	10/415,052	Novel Compounds	10/24/2003	Reel 014621, Frame 0001
BM45427	10/415,017	Novel Compounds	09/22/2003	Reel 014512, Frame 0823
BM45428	10/415,212	Polypeptides and Polynucleotides From Haemophilus Influenza and Their Uses	10/24/2001	Copy of Assignment Attached
BM45429	10/433,940	BASB221 Polypeptides and Polynucleotides Encoding BASB221 Polypeptides	06/06/2003	Copy of Assignment Attached
BM45430	10/470,757	Haemophilus Influenza BASB212 Polynucleotides, Polypeptides and Uses Thereof	07/30/2003	Copy of Assignment Attached
BM45431	10/467,751	H. Influenza Antigen BASB213	02/15/2002	Copy of Assignment Attached
BM45434	10/472,078	Non-typeable Haemophilus Influenza Immunogenic Polypeptides and Use Thereof	04/02/2004	Reel 015170, Frame 0540
BM45438	10/476,421	Novel Compounds	06/18/2004	Reel 015472, Frame 0425
BM45442	10/484,156	Novel Compounds	06/18/2004	Copy of Assignment Attached

Assignee hereby revokes all previous powers of attorney and appoint the Dechert LLP attorneys and agents associated with Customer Number 37509 to prosecute the patent applications identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution, and revocation.

Please address all telephone calls and correspondence to Ann M. Caviani Pease at the address corresponding to Customer Number 37509, currently:

DECHERT LLP  
1117 California Avenue  
Palo Alto, Ca 94304-1106  
Tel: (650) 813-4800  
Fax: (650) 813-4848

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Dated: 16 September, 2005

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: ATTORNEY AND AUTHORISED OFFICIAL

Company: SmithKline Beecham Biologicals S.A.

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B-1330 Rixensart, Belgium